Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

 (Original) A fluorine-containing cyclic compound represented by the following general formula (1):

[Chemical Formula 30]

$$\begin{array}{c|c}
O & CF_3 \\
OH \\
R_1a & CF_3
\end{array}$$

$$\begin{array}{c|c}
CF_3 \\
CF_3
\end{array}$$

$$\begin{array}{c|c}
CF_3 \\
CF_3
\end{array}$$

in the general formula (1), R1a is a C₁-C₂₅ cyclic alkyl group, cyclic alkenyl group or cyclic alkynyl group; each of R2 and R3 is independently a hydrogen atom, a halogen atom, or a C₁-C₂₅ straight-chain, branched or cyclic alkyl group; and each of R1a, R2 and R3 may contain fluorine atom, oxygen atom, sulfur atom, nitrogen atom or an atomic group containing a carbon-carbon double bond.

 $\begin{tabular}{ll} 2. & (Original) & A fluorine-containing cyclic compound represented by the following general formula (2): \\ \end{tabular}$

[Chemical Formula 31]

$$R_4$$
 OH CF_3 OH CF_3 CF_3 R_2 R_3 R_3 CF_3

in the general formula (2), R1a is a C₁-C₂₅ cyclic alkyl group, cyclic alkenyl group or cyclic alkynyl group; each of R2 to R4 is independently a hydrogen atom, a halogen atom, or a C₁-C₂₅ straight-chain, branched or cyclic alkyl group; and each of R1a and R2 to R4 may contain fluorine atom, oxygen atom, sulfur atom, nitrogen atom or an atomic group containing a carbon-carbon double bond.

 (Original) A fluorine-containing cyclic compound represented by the following general formula (3):
 [Chemical Formula 32]

$$R_{6}$$
 R_{7}
 R_{8}
 R_{8}
 CF_{3}
 R_{4}
 R_{1}
 R_{2}
 R_{3}
 CF_{3}

in the general formula (3), R1b is a C_1 - C_{25} cyclic alkyl group, cyclic alkenyl group, cyclic alkynyl group, aryl group, or heterocyclic group, and may contain fluorine atom, oxygen atom, sulfur atom, nitrogen atom or an atomic group

containing a carbon-carbon double bond; each of R2 to R7 is independently a hydrogen atom, a halogen atom, or a C_1 - C_{20} straight-chain, branched or cyclic alkyl group, and may contain fluorine atom, oxygen atom, sulfur atom, nitrogen atom or an atomic group containing a carbon-carbon double bond; and R8 is a carbonyl group or methylene group, or a single bond.

 (Original) A fluorine-containing cyclic compound represented by the following general formula (4):
 [Chemical Formula 33]

$$R_{14}$$
 R_{12}
 R_{10}
 R_{10}
 R_{12}
 R_{10}
 R

in the general formula (4), each of R2, R3 and R9 to R15 is independently a hydrogen atom, a halogen atom, or a C₁-C₂₅ straight-chain, branched or cyclic alkyl group, and may contain fluorine atom, oxygen atom, sulfur atom, or nitrogen atom; R10 and R11 or R12 and R13 may be bonded together to form a ring; in such case, it is an C₁-C₂₅ alkylene group that may contain oxygen, sulfur, nitrogen or hetero atom; and "a" is 0 or 1, "b" is an integer of 0-2, and "c" is an integer of 0-2.

 (Original) A fluorine-containing cyclic compound represented by the following general formula (5):
 [Chemical Formula 34]

$$R_{14}$$
 R_{12}
 R_{10}
 R_{4}
 CF_{3}
 CF_{3}
 R_{15}
 R_{13}
 R_{11}
 R_{11}
 R_{12}
 R_{10}
 R_{4}
 R_{4}
 R_{10}
 R_{2}
 R_{3}
 R_{3}
 R_{11}

in the general formula (5), each of R2 to R4 and R9 to R15 is independently a hydrogen atom, a halogen atom, or a C_1 - C_{25} straight-chain, branched or cyclic alkyl group, and may contain fluorine atom, oxygen atom, sulfur atom, or nitrogen atom; R10 and R11 or R12 and R13 may be bonded together to form a ring; in such case, it is an C_1 - C_{25} alkylene group that may contain oxygen, sulfur, nitrogen or hetero atom; and "a" is 0 or 1, "b" is an integer of 0-2. and "c" is an integer of 0-2.

 (Original) A fluorine-containing cyclic compound represented by the following general formula (6):
 [Chemical Formula 35]

$$R_{6}$$
 R_{7}
 R_{8}
 R_{12}
 R_{10}
 R_{4}
 CF_{3}
 R_{15}
 R_{13}
 R_{11}
 R_{11}
 R_{12}
 R_{10}
 R_{2}
 R_{3}
 R_{3}
 R_{11}
 R_{11}
 R_{12}
 R_{13}
 R_{11}

in the general formula (6), each of R2 to R7 and R9 to R15 is independently a hydrogen atom, a halogen atom, or a C₁-C₂₅ straight-chain, branched or cyclic alkyl group, and may contain fluorine atom, oxygen atom, sulfur atom, or nitrogen atom; R8 is a carbonyl group or methylene group or a single bond; R10 and R11, R12 and R13, or R14 and R15 may be bonded together to form a ring; in such case, it is an C₁-C₂₅ alkylene group that may contain oxygen, sulfur, nitrogen or hetero atom; and "a" is 0 or 1, "b" is an integer of 0-2, and "c" is an integer of 0-2.

 (Original) A fluorine-containing cyclic compound represented by the following general formula (7):
 [Chemical Formula 36]

in the general formula (7), each of R2 and R3 is independently a hydrogen atom, a halogen atom, or a C₁-C₂₅ straight-chain, branched or cyclic alkyl group, and may contain fluorine atom, oxygen atom, sulfur atom, or nitrogen atom.

8. (Original) A fluorine-containing cyclic compound represented by the following general formula (8):

[Chemical Formula 37]

$$R_4$$
 OH CF_3 OH CF_3 OH CF_3 (8)

in the general formula (8), each of R2 to R4 is independently a hydrogen atom, a halogen atom, or a C_1 - C_{25} straight-chain, branched or cyclic alkyl group, and may contain fluorine atom, oxygen atom, sulfur atom, or nitrogen atom.

9. (Original) A fluorine-containing cyclic compound represented by the following general formula (9):

[Chemical Formula 38]

$$R_6$$
 R_7
 R_8
 R_4
 CF_3
 CF_3
 CF_3
 CF_3

in the general formula (9), each of R2 to R7 is independently a hydrogen atom, a halogen atom, or a C₁-C₂₅ straight-chain, branched or cyclic alkyl group, and may contain fluorine atom, oxygen atom, sulfur atom, or nitrogen atom; and R8 is a carbonyl group or methylene group or a single bond.

10. (Original) A fluorine-containing polymer compound having a weight average molecular weight of 1,000 to 1,000,000, which is characterized in comprising a repeating unit represented by the following general formula (10): [Chemical Formula 39]

$$R_{1}$$
 R_{2}
 R_{3}
 R_{1}
 R_{2}
 R_{3}
 R_{3}
 R_{2}
 R_{3}

in the general formula (10), R1b and R2 to R8 are defined as in claim 3.

11. (Original) A fluorine-containing polymer compound having a weight average molecular weight of 1,000 to 1,000,000, which is characterized in comprising a repeating unit represented by the following general formula (11): [Chemical Formula 40]

(11)

in the general formula (11), R2 to R15 and a, b and c are defined as in claim 6.

12. (Original) A fluorine-containing polymer compound having a weight average molecular weight of 1,000 to 1,000,000, which is characterized in comprising a repeating unit represented by the following general formula (12): [Chemical Formula 41]

$$R_{6}$$
 R_{7}
 R_{8}
 CF_{3}
 R_{3}
 R_{4}
 CF_{3}

in the general formula (12), R2 to R8 are defined as in claim 9.

13. (Original) A fluorine-containing polymer compound having a weight average molecular weight of 1,000 to 1,000,000, which is characterized in comprising a repeating unit represented by the following general formula (13): [Chemical Formula 42]

in the general formula (13), R2, R3 and R9 to R15 and a, b and c are defined as in claim 4.

14. (Original) A fluorine-containing polymer compound having a weight average molecular weight of 1,000 to 1,000,000, which is characterized in comprising a repeating unit represented by the following general formula (14): [Chemical Formula 43]

in the general formula (14), R2 to R4 and R9 to R15 and a, b and c are defined as in claim 5.

15. (Original) A fluorine-containing polymer compound having a weight average molecular weight of 1,000 to 1,000,000, which is characterized in comprising a repeating unit represented by the following general formula (15): [Chemical Formula 44]

in the general formula (15), R2 and R3 are defined as in claim 7.

16. (Original) A fluorine-containing polymer compound having a weight average molecular weight of 1,000 to 1,000,000, which is characterized in comprising a repeating unit represented by the following general formula (16): [Chemical Formula 45]

in the general formula (16), R2 to R4 are defined as in claim 8.

17. (Currently Amended) A fluorine-containing polymer compound having a weight average molecular weight of 1,000 to 1,000,000 according to claims 13 to 16claim 13, which is characterized in comprising a repeating unit represented by the following general formula (17):

[Chemical Formula 46]

(17)

in the general formula (17), R16 is a hydrogen atom, or a C₁-C₂₅ straightchain, branched or cyclic alkyl group, and may contain fluorine atom, oxygen atom, sulfur atom, nitrogen atom, hydroxyl group or hexafluorocarbinol group.

- 18. (Currently Amended) A fluorine-containing polymer compound according to any one of claims 10-17 claim 10, which is characterized in emprising comprises a repeating unit having an acid-labile group.
- 19. (Currently Amended) A fluorine-containing cyclic compound or fluorine-containing polymer compound according to any one of claims 1-18claim 1, which is characterized in that wherein hydroxy groups contained in the molecule are partially or entirely protected with protecting groups.
- (Currently Amended) A resist material eharacterized in comprising a fluorine-containing polymer compound according to any one of claims 10-19claim 10.
- (Currently Amended) A chemically-amplified resist material eharacterized in comprising a resist material according to claim 20 and a photoacid generator.
- 22. (Currently Amended) A pattern forming process eharacterized in comprising at least the steps of:
 - (a) applying a resist material according to claim 20 or 21 to a substrate:
 - (b) subjecting the substrate to a heat treatment;
 - (c) conducting an exposure, using a high-energy ray of a wavelength of 300nm or less or an electron beam, through a photomask:

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(d) subjecting the exposed resist film to a heat treatment; and conducting a development treatment.

- 23. (Original) A pattern forming process according to claim 22, wherein the high-energy ray used is F_2 excimer laser, ArF excimer laser, KrF excimer laser or soft X-ray.
- 24. (New) A fluorine-containing polymer compound according to claim 10, wherein hydroxyl groups contained in the molecule are partially or entirely protected with protecting groups.